Abstract

     Reading desired data from a remote storage device that receives chunks of data

from an other storage device includes determining if the desired data is part of a chunk of

data committed by the other storage device, if the desired data is not part of a chunk of

5   data committed by the other storage device, reading the desired data from a

corresponding standard logical device, and if the desired data is part of a chunk of data

committed by the other storage device, transferring the desired data to the standard

logical device and obtaining the desired data from one of: the standard logical device

after transferring the desired data thereto and the chunk of data committed by the other

10   storage device. Reading desired data from a remote storage device may also include, if

the desired data is part of a chunk of data committed by the other storage device, locking

a corresponding slot of a cache only virtual device that points to the desired data.

Reading desired data from a remote storage device may also include, locking a

corresponding slot of the standard logical device, merging corresponding cache slots, and

15   causing the corresponding slot of the cache only virtual device to point to the standard

logical device.

3552581v1